

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058575.D
 Acq On : 7 Oct 2019 18:37
 Operator : JC/SP
 Sample : K5197-07DL 500X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

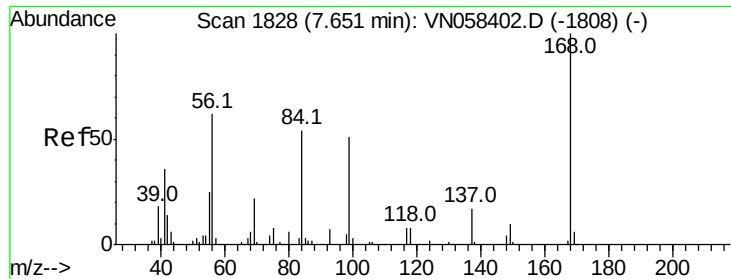
Quant Time: Oct 08 14:06:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	502023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	792018	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	683479	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	277490	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	338833	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	
35) Dibromofluoromethane	7.57	113	241401	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
50) Toluene-d8	10.09	98	975881	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.41	95	322624	46.92	ug/l	0.00
Spiked Amount			Recovery	=	93.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1416	0.234	ug/l #	82
16) Acetone	3.81	43	1435	0.574	ug/l #	84
20) Methylene Chloride	4.53	84	1437	0.249	ug/l #	78
31) Cyclohexane	7.65	56	11208	1.104	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	41737	5.511	ug/l #	51
38) Carbon Tetrachloride	7.65	117	50766	7.426	ug/l #	15
60) Dibromochloromethane	10.63	129	93167	17.675	ug/l #	11
64) Tetrachloroethene	10.63	164	100779	23.208	ug/l	99
71) Bromoform	12.40	173	1966	1.308	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	170270	33.595	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	170270	102.031	ug/l #	8

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058575.D

Acq: 7 Oct 2019 18:37

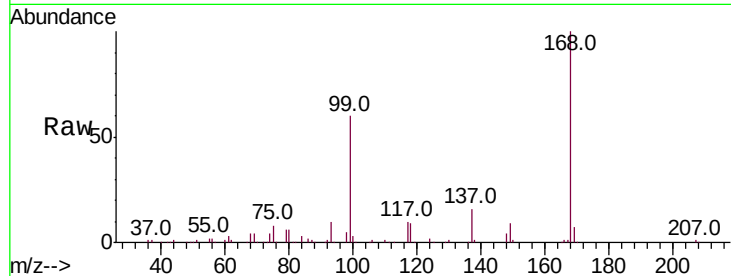
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 502023

Ion Ratio Lower Upper

168 100

99 60.0 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VN058402.D (-1808) (-)

Ion 98.90 (98.60 to 99.60): VN058402.D (-1808) (-)

7.65

250000

200000

150000

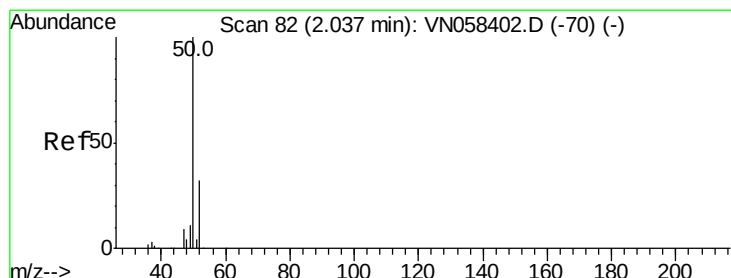
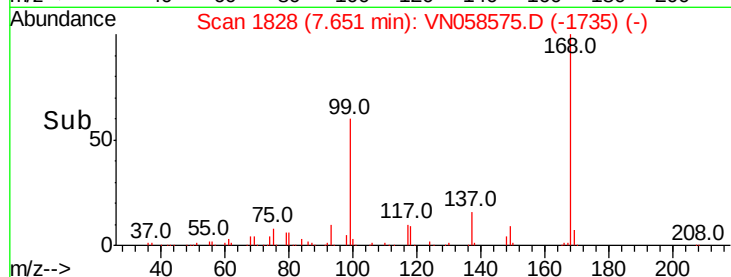
100000

50000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.234 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.01 min

Lab File: VN058575.D

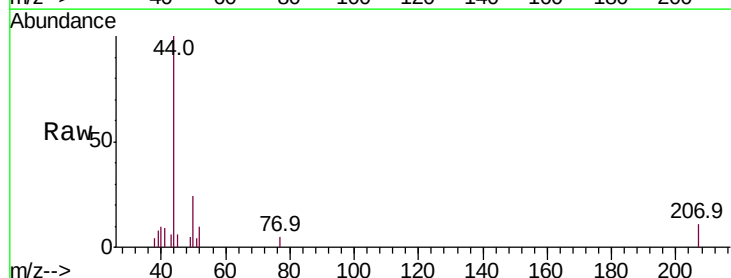
Acq: 7 Oct 2019 18:37

Tgt Ion: 50 Resp: 1416

Ion Ratio Lower Upper

50 100

52 42.7 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VN058575.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN058575.D (-1) (-)

2.04

1200

1000

800

600

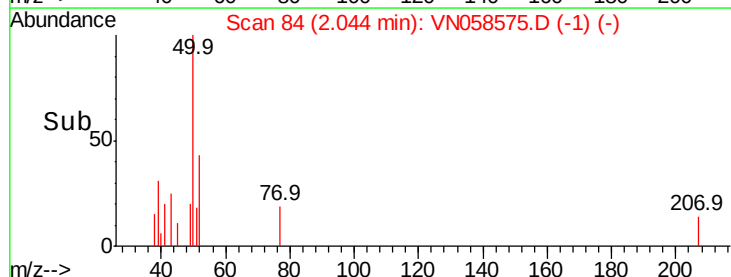
400

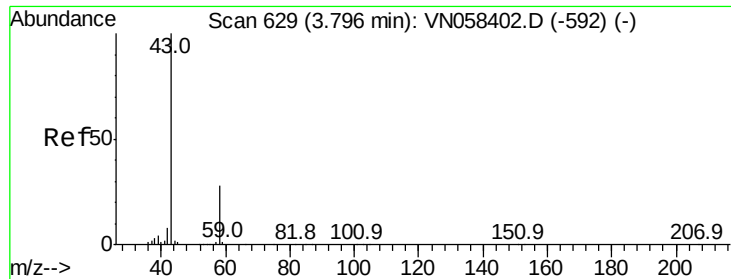
200

0

2.00 2.02 2.04 2.06 2.08

Time-->





#16

Acetone

Concen: 0.574 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN058575.D

Acq: 7 Oct 2019 18:37

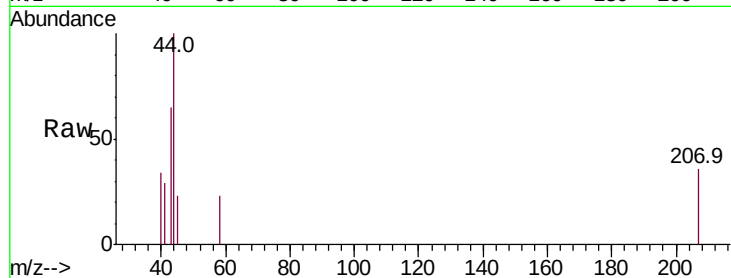
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1435

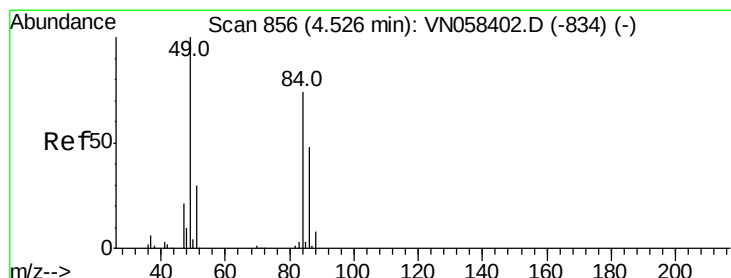
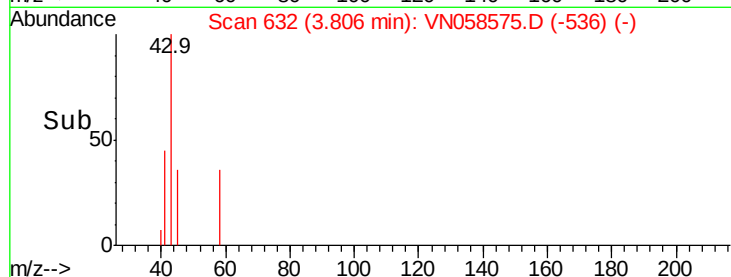
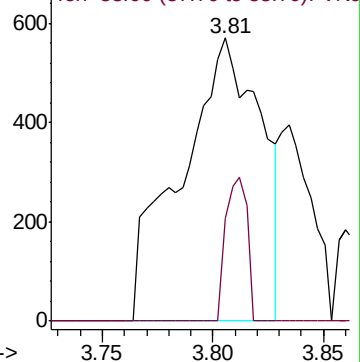
Ion Ratio Lower Upper

43 100

58 36.3 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO



#20

Methylene Chloride

Concen: 0.249 ug/l

RT: 4.53 min Scan# 858

Delta R.T. 0.01 min

Lab File: VN058575.D

Acq: 7 Oct 2019 18:37

Tgt Ion: 84 Resp: 1437

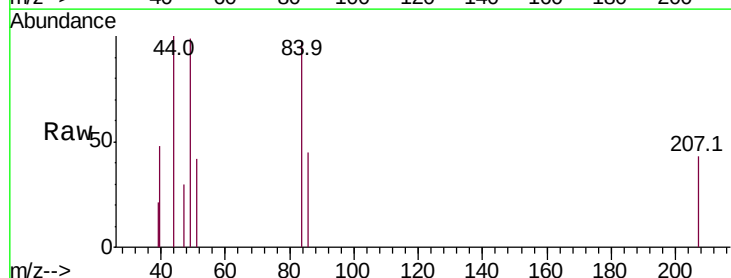
Ion Ratio Lower Upper

84 100

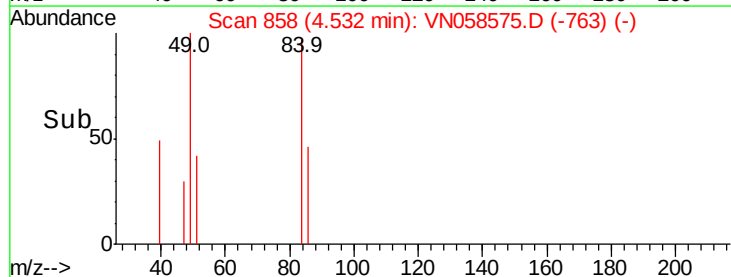
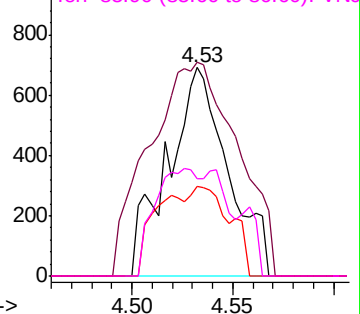
49 102.6 107.9 161.9#

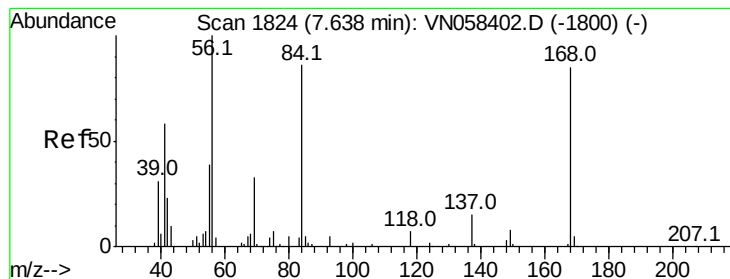
51 43.0 32.8 49.2

86 47.0 51.5 77.3#



Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO





#31

Cyclohexane

Concen: 1.104 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN058575.D

Acq: 7 Oct 2019 18:37

Instrument :

MSVOA_N

ClientSampled :

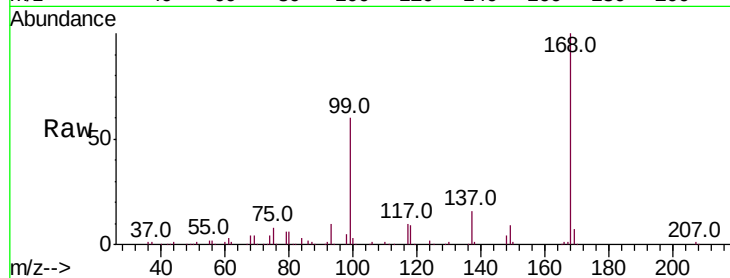
Tot Ion: 56 Resp: 11208

Ion Ratio Lower Upper

56 100

69 178.2 26.2 39.4#

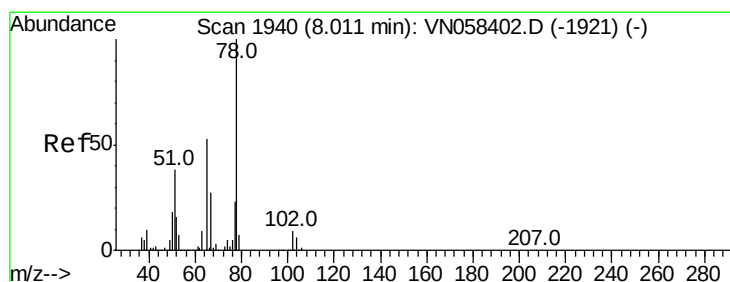
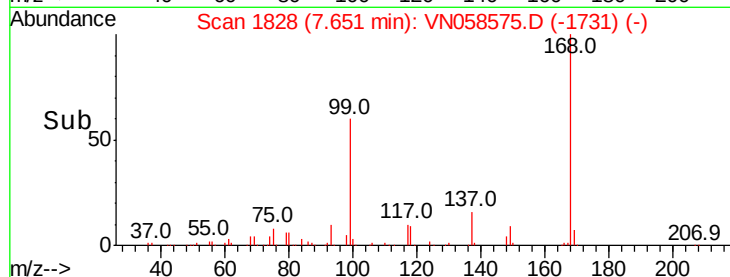
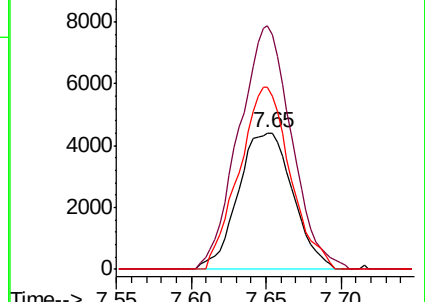
84 133.6 67.6 101.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 46.186 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058575.D

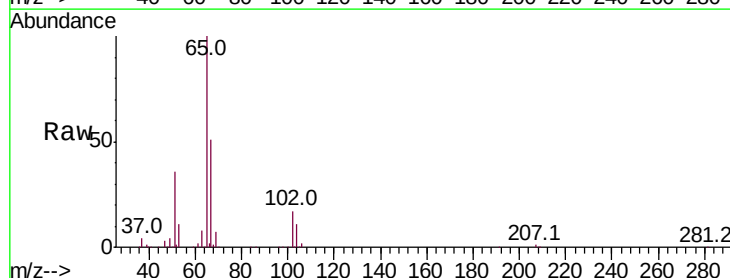
Acq: 7 Oct 2019 18:37

Tgt Ion: 65 Resp: 338833

Ion Ratio Lower Upper

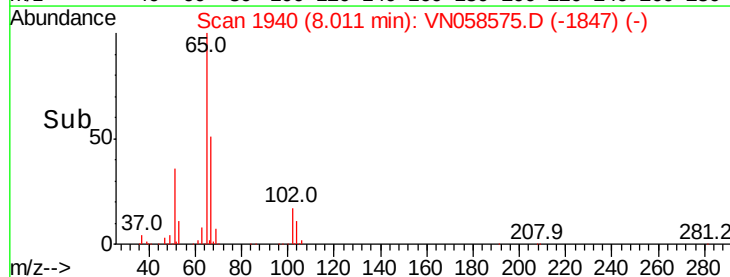
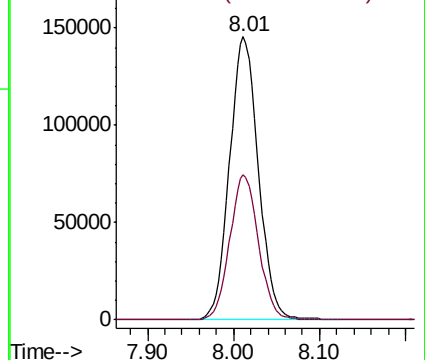
65 100

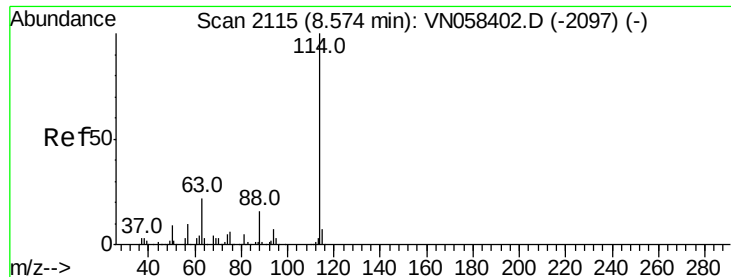
67 51.0 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

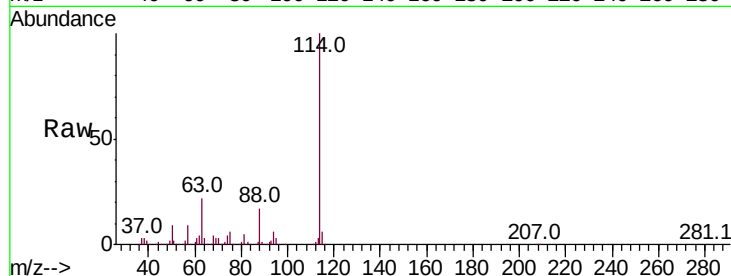




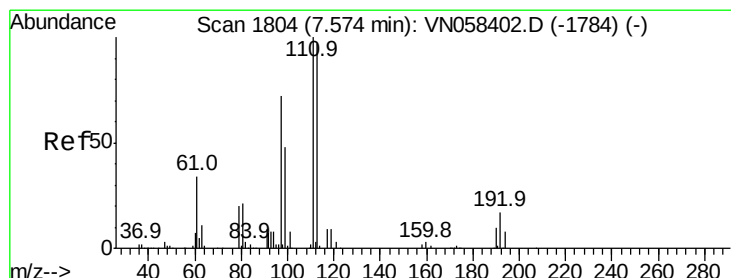
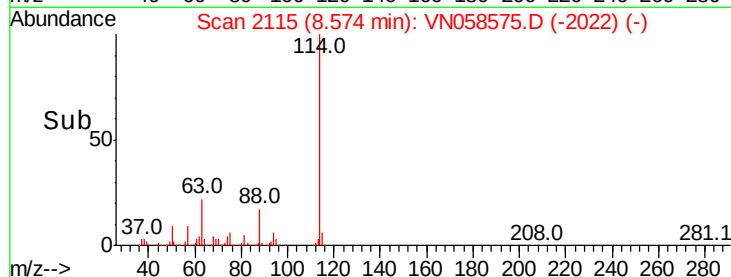
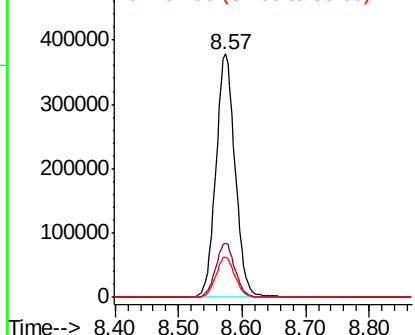
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058575.D
 Acq: 7 Oct 2019 18:37

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 792018
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 45.0
 88 16.6 0.0 32.2

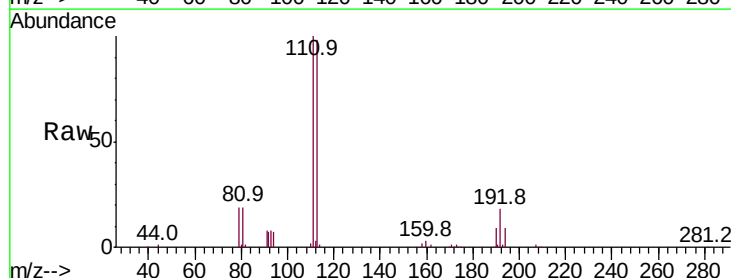


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

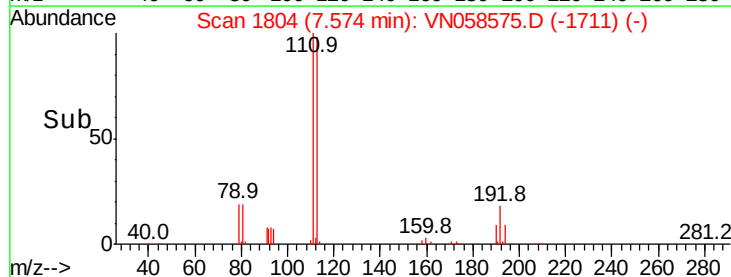
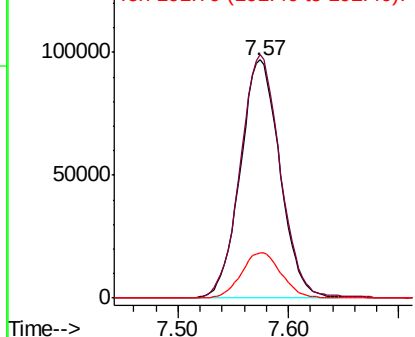


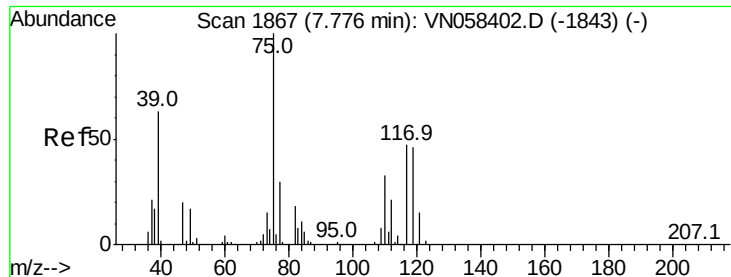
#35
 Dibromofluoromethane
 Concen: 49.730 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058575.D
 Acq: 7 Oct 2019 18:37

Tgt Ion:113 Resp: 241401
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.4 125.2
 192 19.2 14.9 22.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

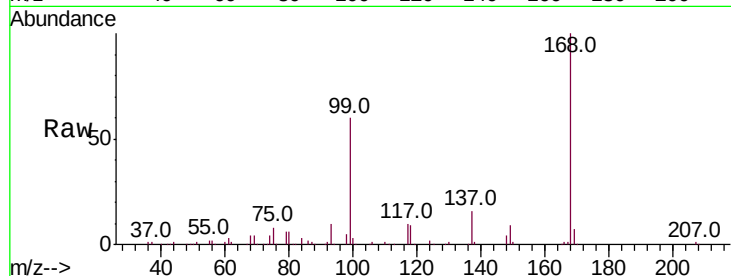




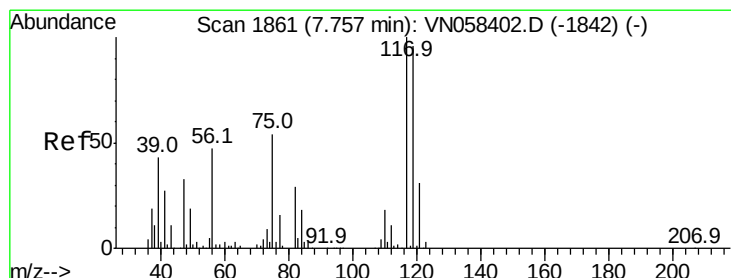
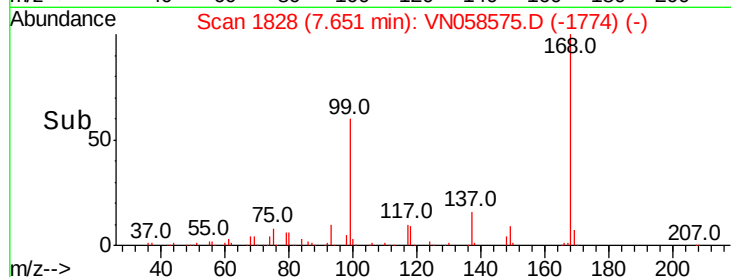
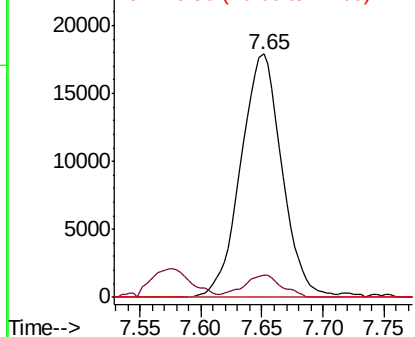
#36
 1,1-Dichloropropene
 Concen: 5.511 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058575.D
 Acq: 7 Oct 2019 18:37

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	16.4	49.2#
77	0.0	24.3	36.5#

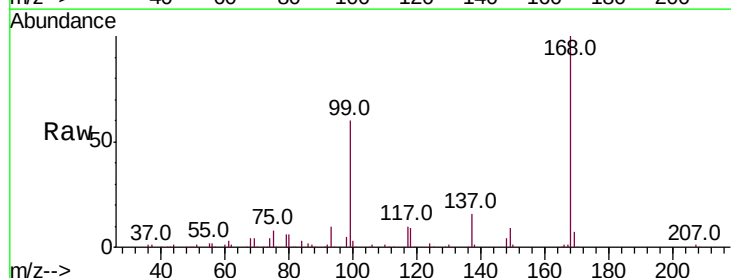


Abundance Ion 74.90 (74.60 to 75.60): VN058402.D (-1843) (-)
 Ion 109.90 (109.60 to 110.60): VN058402.D (-1843) (-)
 Ion 76.90 (76.60 to 77.60): VN058402.D (-1843) (-)

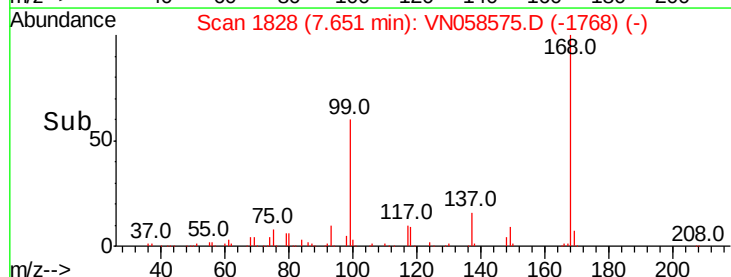
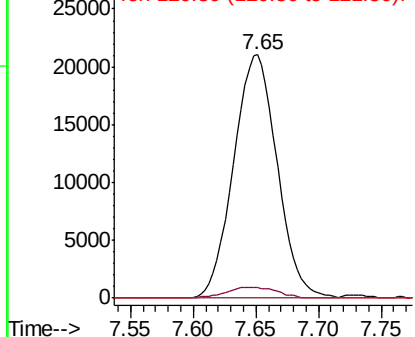


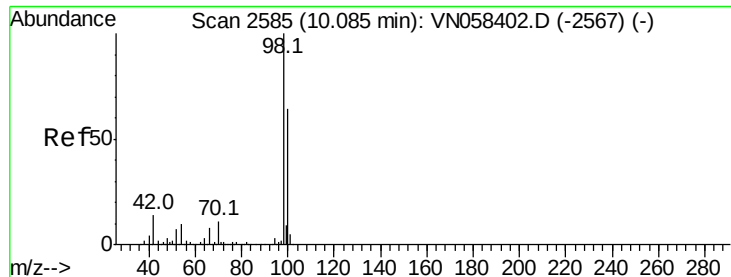
#38
 Carbon Tetrachloride
 Concen: 7.426 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058575.D
 Acq: 7 Oct 2019 18:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.6	115.0#
121	0.0	24.7	37.1#



Abundance Ion 116.80 (116.50 to 117.50): VN058402.D (-1842) (-)
 Ion 118.80 (118.50 to 119.50): VN058402.D (-1842) (-)
 Ion 120.80 (120.50 to 121.50): VN058402.D (-1842) (-)





#50

Toluene-d8

Concen: 51.319 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058575.D

Acq: 7 Oct 2019 18:37

Instrument :

MSVOA_N

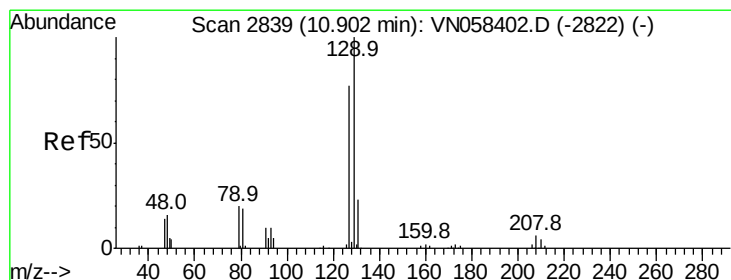
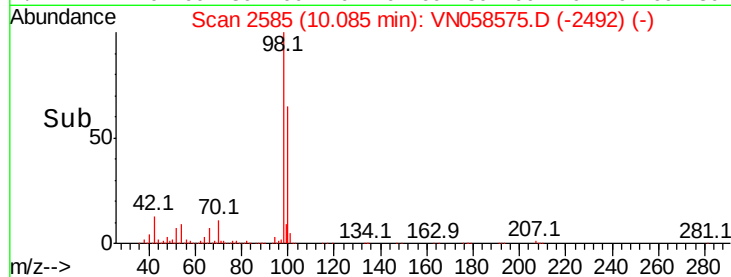
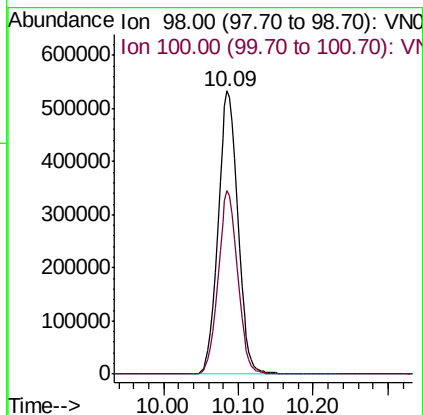
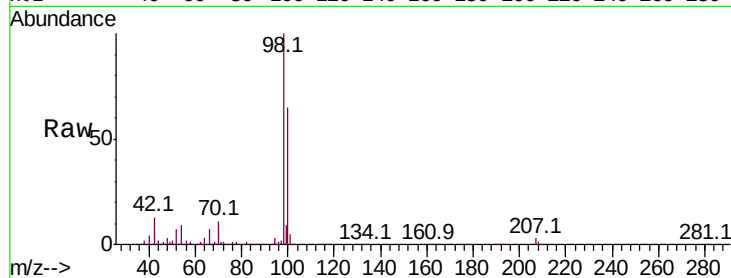
ClientSampled :

Tot Ion: 98 Resp: 975881

Ion Ratio Lower Upper

98 100

100 63.7 51.0 76.6



#60

Dibromochloromethane

Concen: 17.675 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN058575.D

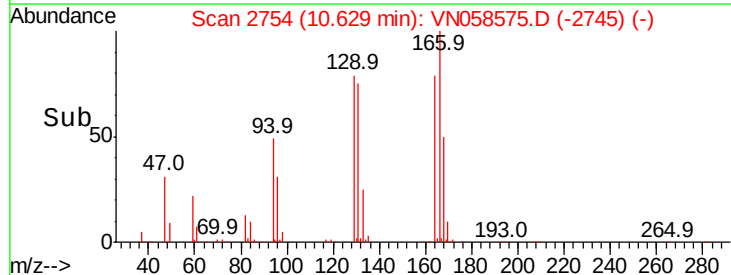
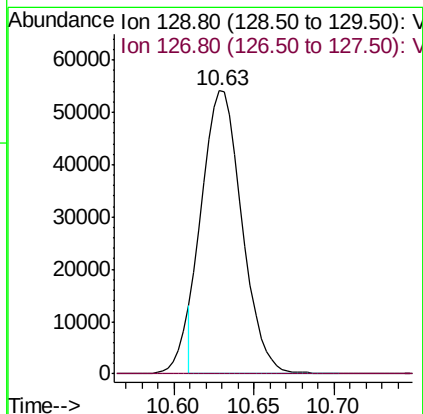
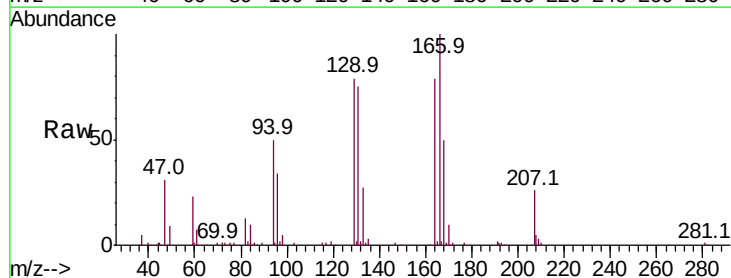
Acq: 7 Oct 2019 18:37

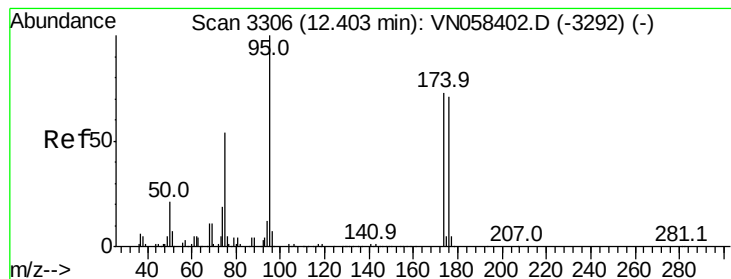
Tgt Ion: 129 Resp: 93167

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.8#





#62

4-Bromofluorobenzene

Concen: 46.922 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058575.D

Acq: 7 Oct 2019 18:37

Instrument :

MSVOA_N

ClientSampled :

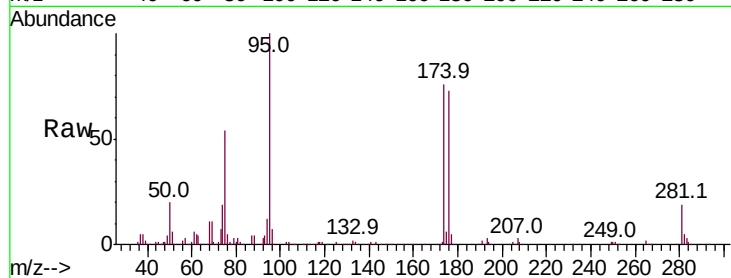
Tot Ion: 95 Resp: 322624

Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.6

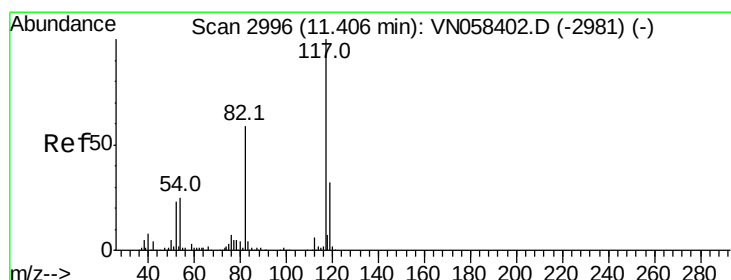
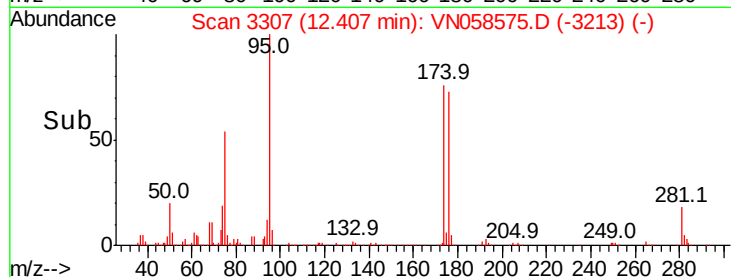
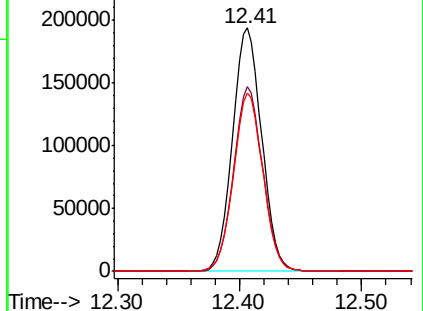
176 73.4 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN058402.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058402.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058402.D (-3292) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058575.D

Acq: 7 Oct 2019 18:37

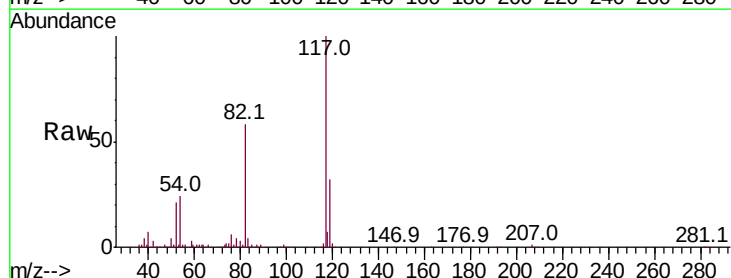
Tgt Ion: 117 Resp: 683479

Ion Ratio Lower Upper

117 100

82 58.1 47.4 71.0

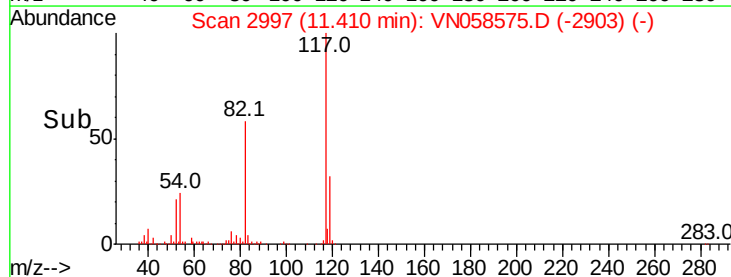
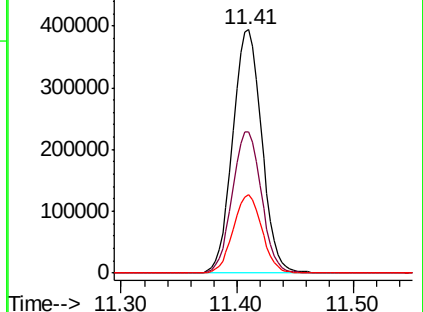
119 32.1 25.5 38.3

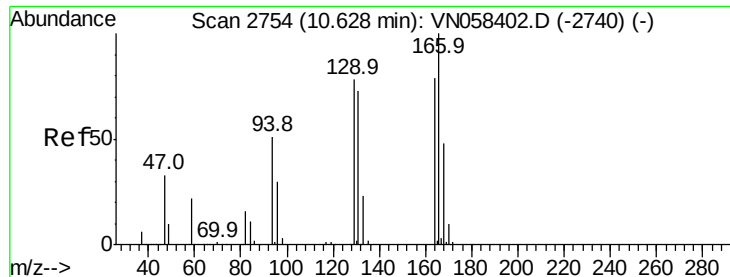


Abundance Ion 116.90 (116.60 to 117.60): VN058402.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058402.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058402.D (-2981) (-)





#64

Tetrachloroethene

Concen: 23.208 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058575.D

Acq: 7 Oct 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 100779

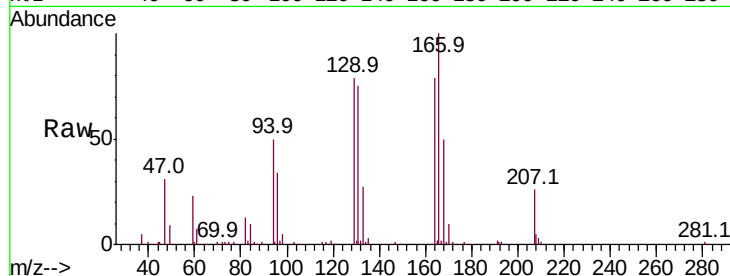
Ion Ratio Lower Upper

164 100

166 126.2 101.1 151.7

129 99.7 79.2 118.8

131 94.4 74.1 111.1

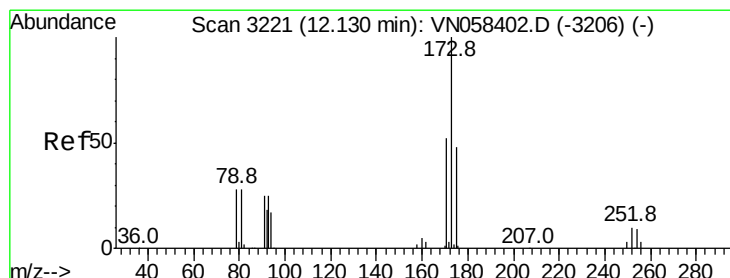
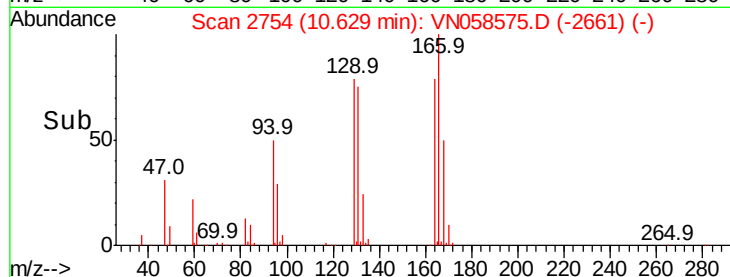
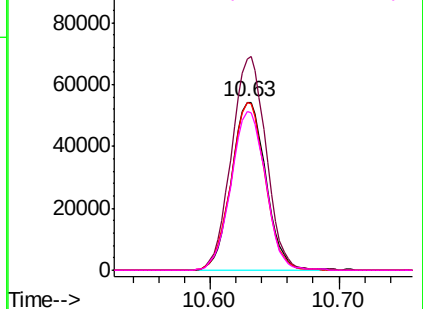


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#71

Bromoform

Concen: 1.308 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN058575.D

Acq: 7 Oct 2019 18:37

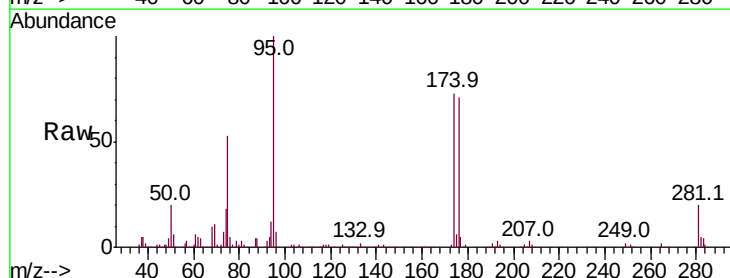
Tgt Ion:173 Resp: 1966

Ion Ratio Lower Upper

173 100

175 792.6 24.3 73.0#

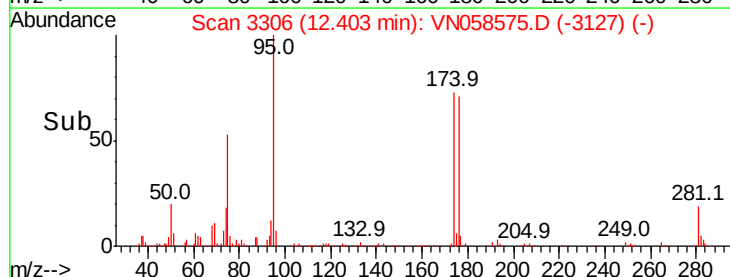
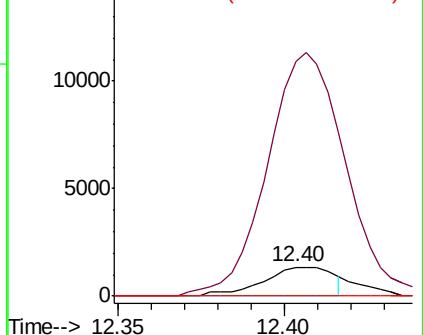
254 0.0 0.1 0.1#

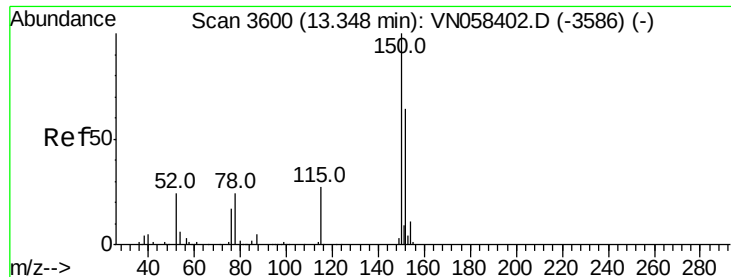


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058575.D

Acq: 7 Oct 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

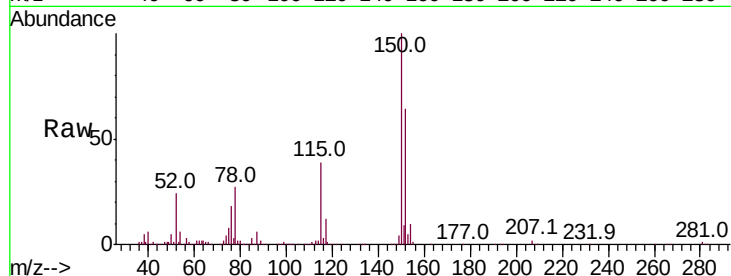
Tot Ion:152 Resp: 277490

Ion Ratio Lower Upper

152 100

115 60.7 30.0 90.0

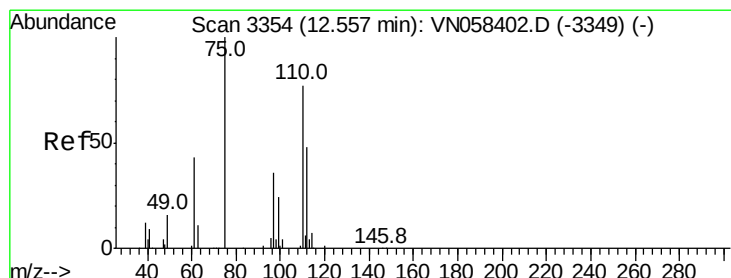
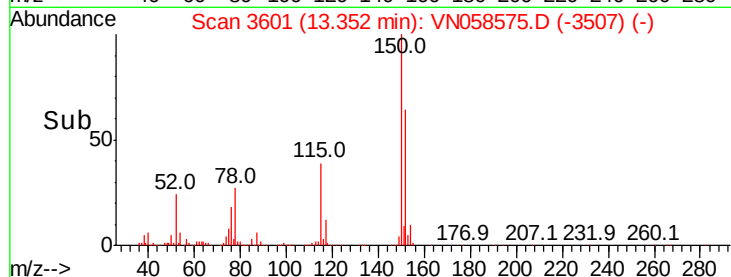
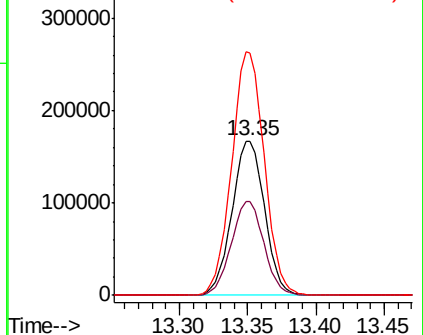
150 157.7 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 33.595 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058575.D

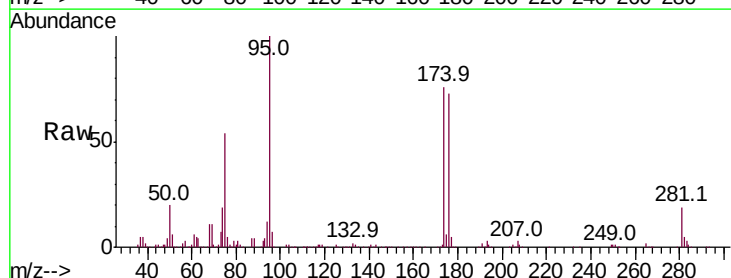
Acq: 7 Oct 2019 18:37

Tgt Ion: 75 Resp: 170270

Ion Ratio Lower Upper

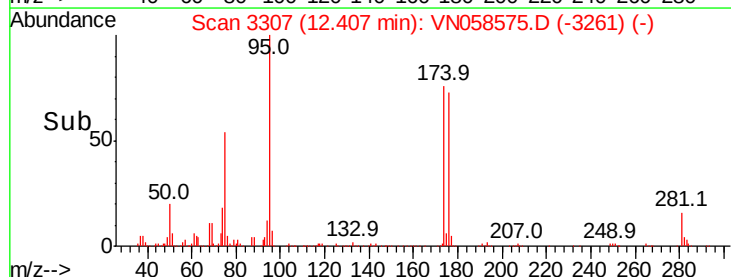
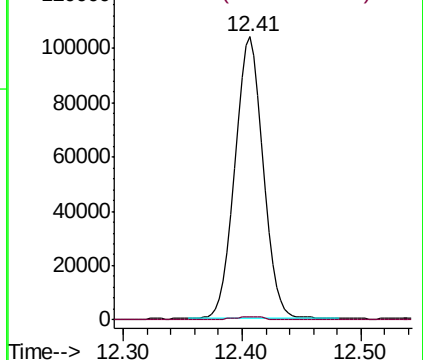
75 100

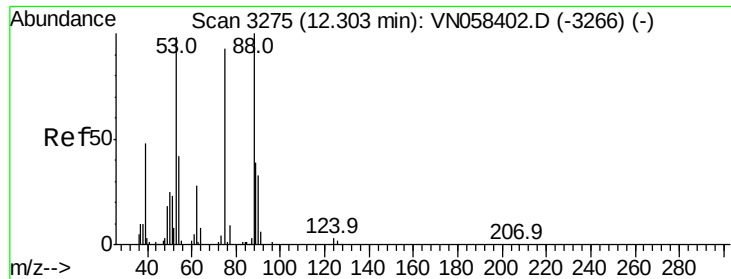
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 102.031 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058575.D

Acq: 7 Oct 2019 18:37

Instrument :

MSVOA_N

ClientSampleId :

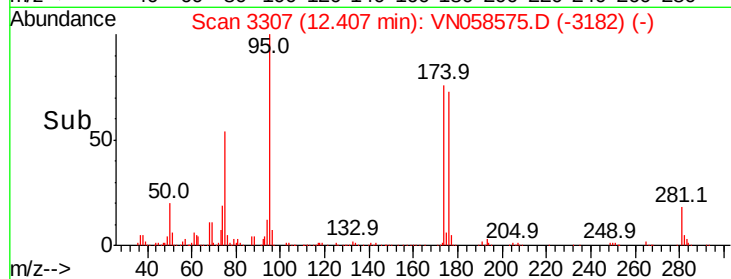
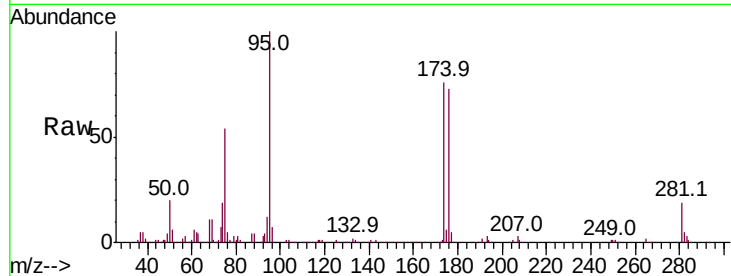
Tot Ion: 75 Resp: 170270

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

89 0.2 35.0 52.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

